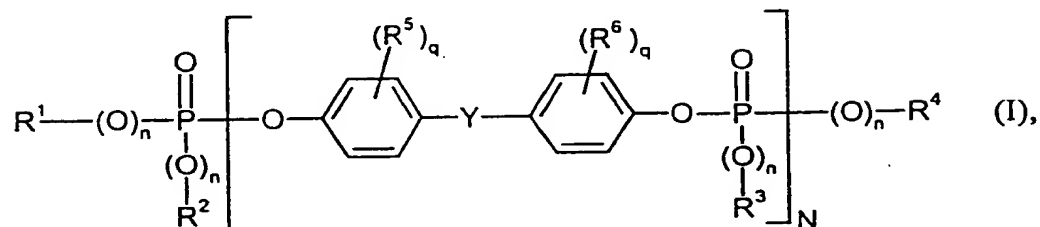


Patent Claims

1. Graft polymer-modified thermoplastic polycarbonate moulding compositions containing phosphorus compounds of the formula (I)



in which

$R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are mutually independently  $C_1$ - $C_8$  alkyl, optionally substituted by halogen,  $C_5$ - $C_6$  cycloalkyl,  $C_6$ - $C_{10}$  aryl or  $C_7$ - $C_{12}$  aralkyl, each optionally substituted by halogen and/or alkyl,

$n$  mutually independently mean 0 or 1,

$q$  mutually independently mean 0, 1, 2, 3 or 4,

$N$  means 0.6 to 4,

$R^5$  and  $R^6$  mutually independently mean  $C_1$ - $C_4$  alkyl or halogen,

$Y$  means  $C_1$ - $C_7$  alkylidene,  $C_1$ - $C_7$  alkylene,  $C_5$ - $C_{12}$  cycloalkylene,  $C_5$ - $C_{12}$  cycloalkylidene, -O-, -S-, -SO-, -SO<sub>2</sub>- or -CO-.

2. Moulding composition according to claim 1, containing 0.5 to 20 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

3. Moulding composition according to claim 1, containing 1 to 18 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

5

4. Moulding composition according to claim 1, containing 2 to 16 parts by weight of phosphorus compound (I) or a mixture of phosphorus compounds (I).

Sub A7  
10

5. Moulding composition according to claims 1 to 4, wherein N in the formula (I) means 0.9 to 2.5.

Sub A8

6. Moulding composition according to claims 1 to 4, wherein N in the formula (I) means 1 to 1.15.

Sub A9  
15

7. Moulding composition according to one of the preceding claims, containing 0.5 to 60 parts by weight of graft polymer.

20

8. Moulding composition according to claim 7, containing 1 to 40 parts by weight of graft polymer.

Sub A10

25

9. Moulding composition according to one of the preceding claims, containing graft polymers of

5 to 95 parts by weight of a mixture of

50 to 95 parts by weight of styrene,  $\alpha$ -methylstyrene, halo- or alkyl-ring-substituted styrene,  $C_1$ - $C_8$  alkyl methacrylate,  $C_1$ - $C_8$  alkyl acrylate or mixtures of these compounds and

30

T05260-0742E660

Sub A10  
cont.

5 to 50 parts by weight of acrylonitrile, methacrylonitrile, C<sub>1</sub>-C<sub>8</sub> alkyl methacrylate, C<sub>1</sub>-C<sub>8</sub> alkyl acrylate, maleic anhydride, C<sub>1</sub>-C<sub>4</sub> alkyl- or phenyl-N-substituted maleimide or mixtures of these compounds on

5 5 to 95 parts by weight of rubber having a glass transition temperature of below -10°C.

Sub A11

10

10 Moulding composition according to one of the preceding claims containing

A) 40 to 99 parts by weight of aromatic polycarbonate and/or polyester carbonate

B) 0.5 to 60 parts by weight of graft polymer of

15

B.1) 5 to 95 wt.% of one or more vinyl monomers on

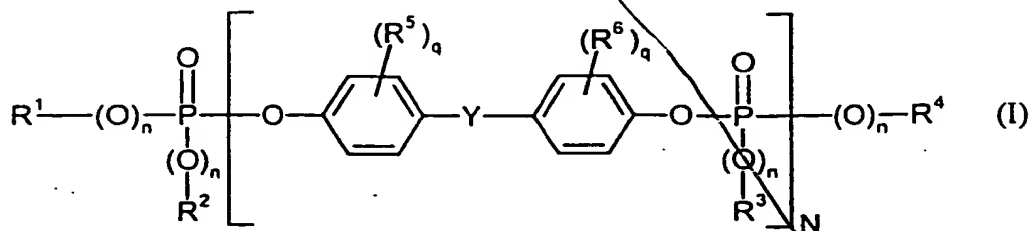
B.2) 95 to 5 wt.% of one or more grafting backbones having a glass transition temperature of <10°C,

20

C) 0 to 45 parts by weight of at least one thermoplastic polymer selected from the group comprising vinyl (co)polymers and polyalkylene terephthalates,

25

D) 0.5 to 20 parts by weight of a phosphorus compound of the formula (I)



30

Sub A11  
cont.

E) 0 to 3 parts by weight of fluorinated polyolefin.

Sub A12  
5

11. Moulding compositions according to one of the preceding claims, wherein Y in the formula (I) denotes isopropylidene or methylene.

Sub A13

12. Moulding compositions according to one of the preceding claims, containing a diene rubber, acrylate rubber, silicone rubber or ethylene/propylene/diene rubber or mixtures thereof as the grafting backbone B.2.

10

Sub A14

13. Moulding compositions according to one of claims 1 to 12, wherein they contain at least one addition from the group comprising stabilisers, pigments, mould release agents, flow auxiliaries and/or antistatic agents, fillers and reinforcing materials.

15

Sub A15

14. Use of the moulding compositions according to one of the preceding claims for the production of mouldings.

Sub A16  
20

15. Mouldings obtainable from moulding compositions according to one of the preceding claims.

09937470-092501